

云南莠竹属一新种*

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A NEW SPECIES OF *MICROSTEGIUM* NEES (GRAMINEAE) FROM YUNNAN, CHINA

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Key words *Microstegium*; *M. reticulatum*

关键词 莠竹属; 网脉莠竹

网脉莠竹 新种 图 1

Microstegium reticulatum B. S. Sun, sp. nov.

Species glumis inferioribus dorso e basi ad apicem valde reticulato-nerviis, articulis rhachium pseudoracemorum planis supra medium dilatatis concavis navicularibus dorso elevato-nerviis ab omnibus comparabilibus facile distinguenda.

Gramen annuum. Culmi graciles, glabri, infra repentes, ad nodos radicanter, ramiosiores, superne erecti, 20~50 cm alti. Vaginae herbaceae, paullo turgidae, herbidae vel purpuratae, glabrae, striatae; ligulae breves, circa 0.8 mm longae, ad apicem non-ciliatae. Laminarum foliorum lanceolatae, usque ad 6 cm longae, 4~12 mm latae, utrinque sparsim tuberculato-pilosae. Pseudoracemi 1~3(4), 2~5 cm longi, patentes, pellide virides; articuli rhacheos pseudoracemorum 4~8 mm longi, herbacei, virides, plani, apicem versus sensim paullo dilatati, concavi, naviculares, dorso 7~11-elevato-nerviis, margine ciliolati vel glabriusculi; spiculae sessiles oblongae, 6~6.5 mm longae (cum callo), 1.3 mm latae, muticae; calli 0.5 mm longi, glabri vel utrinque puberuli; gluma inferior oblongo-lanceolata, circa 6 mm longa, glabra, herbacea dorso canaliculata, secus canalem utroque e basi ad apicem valde reticulata, areolis manifestis, marginibus supra medium carinata; gluma superior navicularis; anthoecium inferius in paleam in interiorem minorem redactum; palea lanceolata, circa 1.5 mm longa, herbacea utrinque late membranacea, margine ciliata; anthoecium superius hermaphroditum; lemma lanceolata, membranacea, parvum, 1.5 mm longum; palea triangulari-ovata, membranacea, 0.5~0.8 mm longa. Stamina 3; antherae 0.5 mm longae. Spicu-

* 国家自然科学基金资助项目。

1994-04-04 收稿。

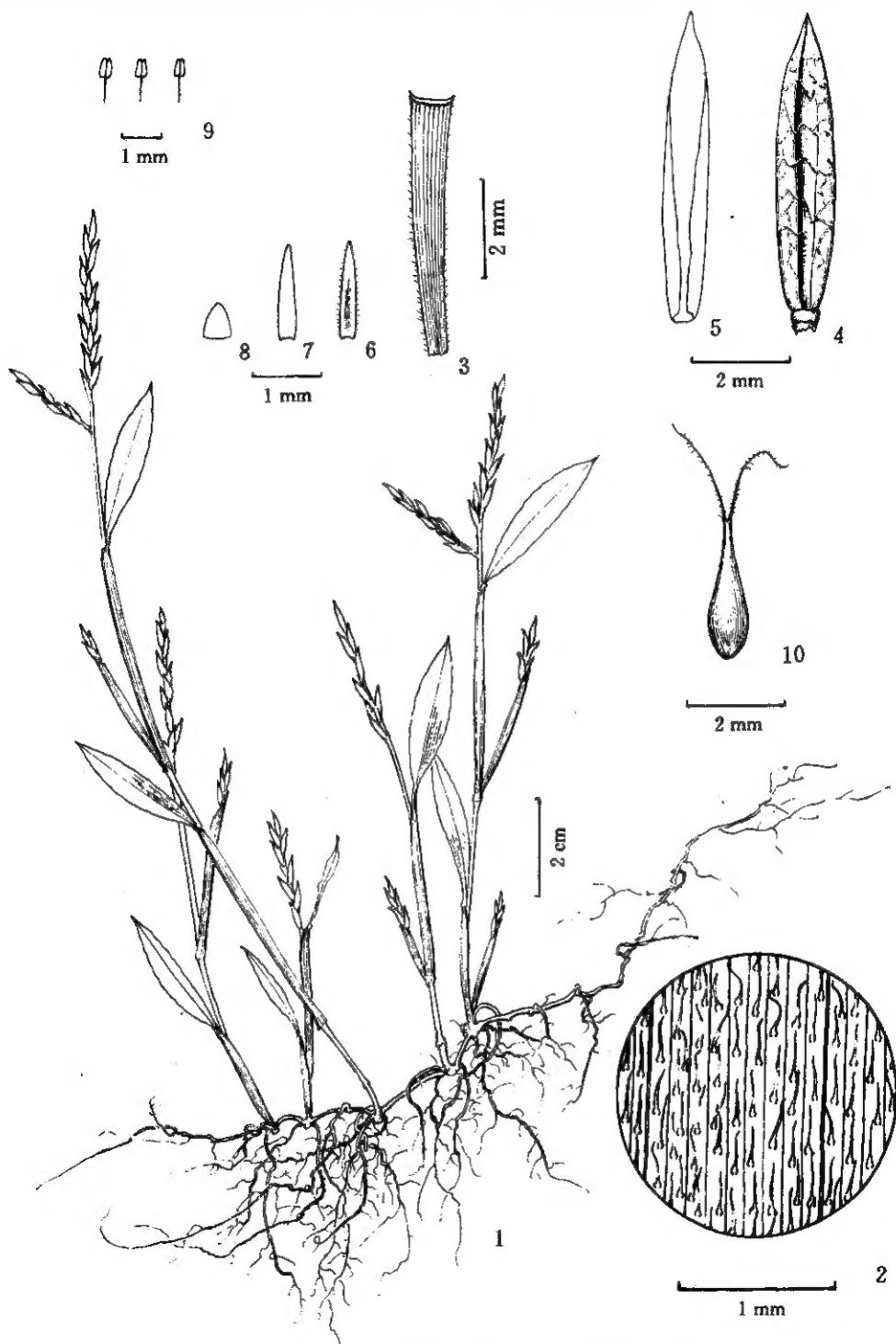


图1 网脉莠竹 1. 植株; 2. 叶片一部分, 示叶表面疣基状毛; 3. 穗轴节间; 4. 第一颖背面观, 示网脉; 5. 第二颖腹面观; 6. 第一小花内稃; 7. 第二小花外稃; 8. 第二小花内稃; 9. 雄蕊; 10. 颖果。(杨建昆绘)

Fig. 1 *Microstegium reticulatum*. 1. plant; 2. part of a leaf, showing tuberculate hair; 3. rachis articulus; 4. dorsal view of lower glume, showing reticulate veins; 5. ventral view of upper glume; 6. lower palea; 7. upper lemma; 8. upper palea; 9. stamens; 10. caryopsis.

lae pedicellatae cum eis sessilibus congruentes vel redactae. Caryopsis ovato-lanceolata.

Yunan (云南): Jingdong (景东), Anzhao (安召), Dishuiqing (滴水箐), roadside and ditchside, grassland, alt. 2150 m, 1993-10-21, H. Peng (彭华) 1448 (type, YUKU); loc. idem, roadside, grassland, alt. 2190 m, 1993-10-21, H. Peng 1424; Kunming (昆明), Yunnan University nearby, alt. 1900 m, 1959-09, B. S. Sun (孙必兴) 177; loc. idem, Helongtan (黑龙潭), ditchside, alt. 1950 m, 1994-10-14, H. Peng 2075.

一年生草本。秆细弱,光滑,下部匍匐,节处生根,分枝较多,上部直立,高 20~50 cm。叶鞘草质,稍膨胀,草绿色至紫色,光滑,有条纹;叶舌短,长约 0.8 mm,顶端无缘毛;叶片披针形,长达 6 cm,宽 4~12 mm,两面疏生疣基状毛。假总状花序 1~3(4)枚,长 2~5 cm,直伸,淡绿色;穗轴节间长 4~8 mm,草质,绿色,扁平,向顶端逐渐扩大,内凹成舟状,背部具 7~11 条隆起的脉,边缘微具纤毛或几无毛。无柄小穗长圆形,长 6~6.5 mm(含基盘),宽 1.3 mm,无芒;基盘长 0.5 mm,无毛或两面微被毛;第一颖长圆状披针形,长 6 mm,无毛,草质,背部具沟槽,在沟槽两边自基部向顶端具网状脉,网眼明显,中部以上边缘具肋;第二颖舟状;第一小花退化成较小的内稃,内稃披针形,长约 1.5 mm,草质,两侧宽膜质,边缘具纤毛;第二小花两性,外稃披针形,膜质,较小,长 1.5 mm,内稃三角状卵圆形,膜质,长 0.5~0.8 mm。雄蕊 3,花药长约 0.5 mm。有柄小穗与无柄小穗一致或退化。颖果卵状披针形。

本新种第一颖背面明显具网脉,穗轴节间扁平,中部以上边缘变宽,舟状凹陷,背部具凸脉而与所有近缘种易于区别。